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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/892,755	06/28/2001	Lawrence M. Burns	1875.0350001	3392

26111 7590 02/05/2003

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EXAMINER

LEE, BENNY T

ART UNIT	PAPER NUMBER
2817	

DATE MAILED: 02/05/2003

Please find below and/or attached an Office communication concerning this application or proceeding.



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SERIAL NUMBER	FILING DATE	NAME OF NAMED APPLICANT	ATTORNEY DOCKET NO.

EXAMINER

ART UNIT PAPER NUMBER

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DATE MAILED:

This is a communication from the examiner in charge of your application.

COMMISSIONER OF PATENTS AND TRADEMARKS

This application has been examined  Responsive to comments filed on \_\_\_\_\_  This action is made final.

A shortened statutory period for response to this action is set to expire \_\_\_\_\_ months from the date of this letter. Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133.

Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:

1.  Notice of References Cited by Examiner, PTO-892.
2.  Notice of Art Cited by Applicant, PTO-1465.
3.  Information on How to Effect Drawing Changes, PTO-1474
4.  Notice re Patent Drawing, PTO-948.
5.  Notice of Informal Patent Application, Form PTO-152.
6.  \_\_\_\_\_

Part II SUMMARY OF ACTION

1.  Claims \_\_\_\_\_ 1-34 are pending in the application.

Of the above, claims \_\_\_\_\_ are withdrawn from consideration.

2.  Claims \_\_\_\_\_ have been cancelled.

3.  Claims \_\_\_\_\_ are allowed.

4.  Claims \_\_\_\_\_ are rejected.

5.  Claims \_\_\_\_\_ are objected to.

6.  Claims \_\_\_\_\_ 1-34 are subject to restriction or election requirement.

7.  This application has been filed with Informal drawings which are acceptable for examination purposes until such time as allowable subject matter is indicated.

8.  Allowable subject matter having been indicated, formal drawings are required in response to this Office action.

9.  The corrected or substitute drawings have been received. These drawings are  acceptable.  not acceptable (see explanation).

10.  The proposed drawing correction and the proposed additional or substitute sheet(s) of drawings, filed on \_\_\_\_\_ has (have) been  approved by the examiner.  disapproved by the examiner (see explanation).

11.  The proposed drawing correction, filed \_\_\_\_\_, has been  approved.  disapproved (see explanation). However, the Patent and Trademark Office no longer makes drawing changes. It is now applicant's responsibility to ensure that the drawings are corrected. Corrections MUST be effected in accordance with the instructions set forth on the attached letter "INFORMATION ON HOW TO EFFECT DRAWING CHANGES", PTO-1474.

12.  Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has  been received  not been received.

13.  Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 O.G. 11; 453 O.G. 213.

14.  Other

EX-1 RE ACT 170

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## **DETAILED ACTION**

### ***Election/Restriction***

This application contains claims directed to the following patentably distinct species of the claimed invention:

Species I: the embodiment of Fig. 4A;

Species II: the embodiment of Figs. 4B, 5A, 5B;

Species III: the embodiments of Figs. 6A, 6C, 6E;

Species IV: the embodiment of Figs. 6B, 6D, 6F;

Species V: the embodiment of Fig. 7;

Species VI: the embodiment of Fig. 8;

Species VII: the embodiment of Fig. 9;

Species VIII: the embodiment of Fig. 10;

Species IX: the embodiment of Fig. 11;

Species X: the design method of Figs. 12-16.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, claims 22, 25 are generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon,

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including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

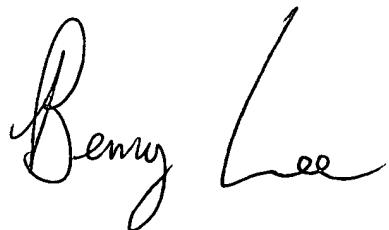
Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(I).

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Benny Lee whose telephone number is (703) 308 4902.

A handwritten signature in black ink, appearing to read "Benny Lee". The signature is fluid and cursive, with "Benny" on the left and "Lee" on the right, separated by a diagonal line.

BENNY T. LEE  
PRIMARY EXAMINER  
ART UNIT 2817

B. Lee

January 31, 2003